Raymarine®

SATELLITE TV

Satellite Television

Antenna Systems

- 37STV
- 45STV
- 60STV

▲ 45STV

▲ 60STV

▲ NEW 37STV

37STV & 45STV

ON BOARD ENTERTAINMENT FROM RAYMARINE

Raymarine's satellite television antenna systems bring Raymarine performance and quality to on board entertainment. Featuring stylish and rugged domes, each system provides uninterrupted satellite television reception, delivering crystal clear digital video and music on board. From the compact 37STV to the high performance 60STV, Raymarine's stabilized antenna systems provide automatic operation and unmatched performance. Each system quickly identifies compatible DVB (Digital Video Broadcast) satellites utilizing Raymarine's unique Wide Range Search (WRS) algorithm. Highly accurate satellite tracking at sea is achieved using Dynamic Beam Tilting technology, ensuring a clear picture in the most challenging conditions.

OUTSTANDING FEATURES INCLUDE:

- HD (High Definition) television compatible models available*
- Proprietary Wide Range Search (WRS) algorithm for the fastest identification and acquisition of satellites
- Dynamic Beam Tilting (DBT) technology delivers unmatched dynamic tracking in extreme weather and sea conditions
- DBT technology continuously measures the vessel's heading, pitch, and roll to keep the antenna locked on a satellite at all times
- Supports a wide range of DVB compatible satellite television service providers (DIRECTV, Dish Network, Express Vu)
- Remotely mounted Antenna Control Unit (ACU) features a digital display and keypad for easy installation, manual satellite selection and diagnostics
- Backed by Raymarine's worldwide service and support network

*DIRECTV service only for HD

NEW 37STV SATELLITE TV ANTENNA SYSTEM

Choose the HD ready 37STV for maximum performance in a small foot print. The space saving design of the 37STV make this antenna ideal for vessels 25' and up. NMEA 0183 GPS interface ensures rapid satellite acquisition times. Fewer cables make installation much easier.

45STV SATELLITE TV ANTENNA SYSTEM

The perfect blend of size and performance, the 45STV makes underway satellite television reception a reality for vessels 40' and up.

37STV & 45STV FEATURES

- HD (High Definition) compatible (45STV requires an HD ACU)
- Dual LNB design enables the captain to watch the weather and news at the helm while others enjoy the game down below
- Stabilization is enhanced by conical scanning, which detects and maintains the strongest signal
- A unique, rotating sub-reflector redirects the signal and minimizes the need for constant dish movement and delivers quieter operation

60STV

60STV SATELLITE TV ANTENNA SYSTEM

The 60STV satellite television antenna system offers unmatched antenna performance and style. Engineered for larger vessels (50' and up), the 60STV delivers enhanced signal acquisition for a clear picture and reliable access to hundreds of channels of digital entertainment. The high performance 60STV extends the range of satellite coverage and offers enhanced satellite tracking in regions prone to weaker satellite signals. Like the Raymarine 37STV and 45STV, the 60STV utilizes a proprietary Wide Range Search (WRS) algorithm and Dynamic Beam Tilting technology for fast satellite acquisition times and reliable tracking in extreme sea conditions. Satellite acquisition speed is also enhanced thanks to the 60STV's GPS position interface.

60STV FEATURES

- HD (High Definition) compatible version available
- Enhanced signal reception and improved antenna gain for better performance in poor weather conditions
- NMEA 0183 GPS position input capability further reduces acquisition time
- Conical scanning detects the strongest satellite signal and enhances stabilization
- Wide Elevation Angles allow the 60STV to maintain a satellite fix longer
- A unique, rotating sub-reflector redirects the signal and minimizes the need for constant dish movement offering quieter, smoother operation
- Multiple receiver support using a dual LNB design
- FCC, IC, and CE approved for the marine market

HDTV COMPATIBLE

ANTENNA CONTROL UNITS (ACU)

- Provides power to antenna
- Displays antenna status
- Contains diagnostic indicators
- Enables manual satellite selection
- Connects to PCs for easy upgrades
- HD ACU required for HD models

Television, satellite receiver and subscription required (sold separately)

Specifications

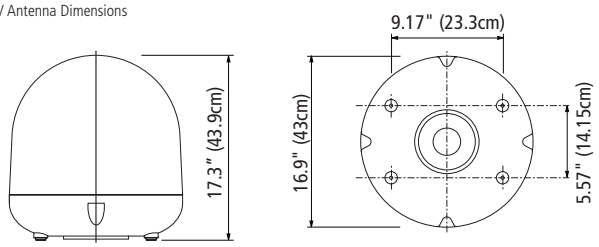
	37STV	45STV	60STV
Overall Dimensions (W X H)	16.9" x 17.3" (43 x 44cm)	19.7" x 21.2" (50 x 53.8cm)	27.5" x 28.3" (69.8 x 71.9 cm)
Product Weight	19 lbs. (8.6Kg)	31 lbs. (14kg)	44.1 lbs. (20 kg)
Antenna Dish Diameter	14.6" (37cm)	18" (45cm)	24" (60cm)
Operating Voltage	10.8 to 15.6V DC	10.8 to 15.6 V DC	10.8 to 15.6 V DC
Operating Temperature Range	-14° F to 122° F (-10° C to 50° C)	-14° F to 122° F (-10° C to 50° C)	-14° F to 122° F (-10° C to 50° C)
Storage Temperature Range	-4°F to 158°F (-20°C to 70°C)	-4°F to 158°F (-20°C to 70°C)	-4° F to 158° F (-20° C to 70° C)
Warranty	2 years parts, 2 years labor	2 years parts, 2 years labor	2 years parts, 2 years labor
Frequency	Ku-Band	Ku-Band	Ku-Band
Antenna Gain	32 dBi	33 dBi	36 dBi
Minimum EIRP	50dBW	50dBW	47 dBW
Azimuth Range	680°	680°	680°
Elevation Ranges	+10° to +80°	0° to +90°	+5° to +90°
Roll & Pitch Range	Roll ±25° / Pitch ±15°	Roll ±25° / Pitch ±15°	Roll ±25° / Pitch ±15°
Tracking rate	60°/sec	50°/sec	45°/sec

FCC and CE Approved

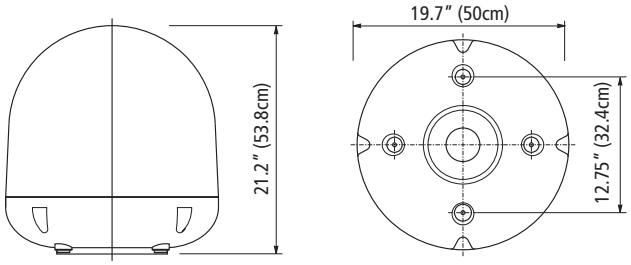
Ordering Information	
PART #	**DESCRIPTION**
E93017	37STV Satellite Television System for North America (Antenna and HD compatible ACU)
E93002	45STV Satellite Television System for North America (Antenna and ACU)
E93013	45STV HD - HD Sat TV System - North America (Antenna and HD compatible ACU)
E93006	60STV - Sat TV System for North America (Antenna and ACU)
E93014	60STV HD - HD Sat TV System - North America (Antenna and HD compatible ACU)
Accessories	
R08255	HD ACU - HD Antenna Control Unit for the 45STV and 60STV
A96014	DiSEqC Supplier (Used with HD systems that include a multiswitch)
E96016	37STV Empty Dome and Baseplate Package
E96009	45STV Empty Dome and Baseplate Package
E96013	60STV Empty Dome and Baseplate Package

Raymarine G-Series & E-Series displays feature video input for interfacing with satellite television receivers

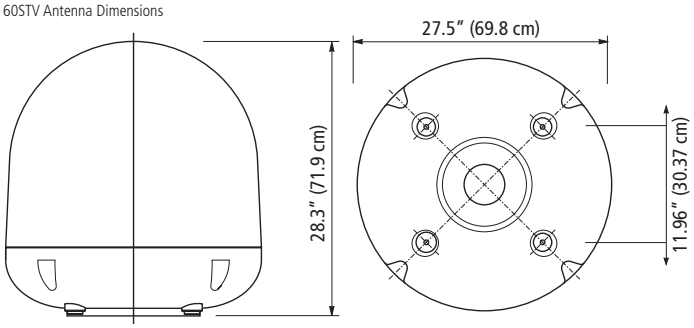
37STV Antenna Dimensions



45STV Antenna Dimensions



60STV Antenna Dimensions



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Additional information, specifications and interactive product tours available online at www.raymarine.com

Product specifications subject to change without notice